

Instructions for proposers of SmallSat payloads for delivery to cislunar space via Commercial Lunar Payload Services (CLPS)

The option for payload delivery to cislunar space or lunar orbit aboard a CLPS vehicle is an intended future capability; as such, detailed interface information for in-flight deliveries is not yet available.

Payloads should satisfy the following requirements:

- 1) For a 12U CubeSat, the payload mass should not exceed 30kg; for other payloads, the mass of the payload plus the CubeSat dispenser, ESPA ring or other deployment device should not exceed 50kg.
- 2) The General Environmental Verification Standard (GEVS = GSFC-STD-7000A) and SMC-S-016 should be used as a guide to derive testing requirements. However proposers should maintaining additional margin because those test levels are not guaranteed to encompass or satisfy all LV testing environments. Test requirements and levels other than those generated by the launch provider or the Mission Integrator are considered unofficial.
- 3) Assume no use of pyrotechnic devices. (To Be Reviewed).
- 4) Assume that a CLPS vehicle can deliver a payload to the required lunar orbit.

NASA will perform an accommodation study of selectable proposals after the evaluation, but prior to the selection decision, to assess the extent to which the proposed investigation is compatible with the expected opportunities. For rideshares to cislunar space, a similar accommodation study will be conducted after review of the Phase A study and prior to the downselection decision. Selection or downselection will be informed by the likely availability of suitable rides.

This document may be updated periodically, but no later than 30 days before the proposal due date. It is each proposer's responsibility to check for updates.

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Program Library documents:

GSFC-STD-7000A (GEVS)
SMC-S-016